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CONFIDENTIAL/SECURITY INFORMATION 50X1-HUM shop has gas furnaces and durferit furnaces; it also has furnaces and soaking pits for hardening [sic]. Some hardening was done also by the high-frequency heat-50X1-HUM ing method. Parts were machined in the machine shop with carbon steel tools only; this factory was most advanced in this respect. Machines in the machine shops were kept in good condition; even during the war, the lathe maintenance crews worked well. Many machines were replaced after the war by purchases abroad or by gifts from UNRA. Most of these machines were gear-cutting machines A number of gear-cutting machines which were ordered were supposed to 50X1-HUM have sufficient capacity to take care of all automotive manufacturing plants in Czechoslovakia. Not all of these machines arrived, however. 4. Greatest advances in manufacturing were registered in the production of bodies. Skoda automobiles were manufactured primarily for export after the war; it was necessary to maintain the product on a world level. The greatest shortsomings were evident in a shortage of heavy body presses and in suitable production locations. A new press shop was built. It measured 47 x 120 meters and had two crape fields. Capacities of the cranes were 10 and 15 tons, respectively; in addition there was a crane with an approximate three-ton capacity. It was impossible to order large presses in Europe after the war inasmuch as Germany was unable to deliver. An order was placed for a one-thousand-ton hydraulic, two-draw HPM [sic] press and s 450-ton To make the dyes for the presses a machine was ordered 50X1-HUM from another firm. Other machines were also in the process of being ordered but only the first-mentioned [darrived. Attempts were made to dtain 50X1-HUM presses from other firms with short delivery dates and from Germany as reparations. A one-thousand-ton press and an 800-ton press were obtained from the firm of Schuller The one-thousand-ton press was mechanically operated. The 800-ton press had modern equipment. 5. When the US prohibited export of such machines to Czechoslovakia, attempts were 50X1-HUM made to obtain them from --with what success estimated the need for such presses at 13 to 15 considering that annual production 50X1-HUM was 17.500 automobiles: at the time, however, there were only six large presses Included in the six were a one-thousand-ton Schuller an 800-ton Schuller press, a 900-ton Weingarten press, a 350-ton Mach and 50X1-HUM Fiser, and a 200-ton Weingarten. Production of these large presses was plenned also in Czcchoslovskia and specifications for them were circulated throughout all enterprises in Czechoslovakia. Hydraulic presses such as the HPM were to be built by Skoda in Pilsen, and mechanically operated presses were to be built by Storek of Brno. There was a need for approximately 50 automobile body presses in the country. 6. A hangar destined for warehouse space was constructed in 1949 next to the press shop. There was the thought, however, that this space would be used for welding of automobile bodies. 7. In 1947, the company began production of a new type of car. This car has been on the warket since the spring of 1952. This car has an increased engine capacity of 1200 cubic centimeters, lengthened chassis, and increased wheel base. The all-steel body is modern in shape. Several individual sections were reconstructed and modernized in the body shop. Pulley type chains were installed on the assembly line so that movement of products was mechanized. enamels were used in the paint 50X1-HUM מסט" ז but it was assumed that synthetic type lacquers would be introduced as they were in the experimental stage. Welding of

electric pincers

50X1-HUM

CONFIDENTIAL SECURITY INFORMATION

and sections for modern production of radiators, gasoline tanks, exhaust pipes, exhaust manifolds, etc. All in all, this is the most modern automobile factory in

The order amounted to about 15 pieces. The body shop has a frame section

bodies was done with the aid of instruments similar to

Czechoslovakia.

CONFIDENTIAL/SECURITY INFORMATION

50X1-HUM

- 3 -

- General Svoboda produced automobiles of the two-door type, sedans /presumably the four-door type/, Cabriclet /convertibles 2/, pickup trucks, and roadster-Cabriclet. Bodies were built at Vrchlabi but chassis were obtained from a factory in Malda Which were in the experimental stage. During nationalization of enterprises in Dobry, and Svoboda--Svoboda is in Kosmonosy.
- 9. The Dobry enterprise produced agricultural machines, particularly threshing machines which were exported mainly to Bulgaria during World War II. Dobry also had a small foundry immediately adjoining the automobile plant. It was agreed that this factory would produce mostly spare parts and the pattern and carpentry shops were transferred there. Zahradka was a special foundry for non-ferrous metals -- aluminum and "gray iron" but which produced popular agricultural tractors in later years. This production was stopped and the factory produced spare parts and cast cylinder vat sleeves.
- 10. General Svoboda was never a textile factory but the body plant in Vrchlabi was once a textile factory.
- 11. Concerning an underground factory in connection with General Svotoda, no building of there (1932 to 1949).

50X1-HUM

12. Production was planned in a plant in Mnichovske Hradiste towards the end of World War II, but actual production was never started. After the war, nothing was produced at this

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50X1-HUM

- 14. The automobile plant itself had no foundry, forge, or rolling mill. The enterprise in Kosmonosy, and the Drobry and Zahradka enterprises, however, had four copular /cupols/
- 15. With regard to the machinery for the manufacture of large cog-wheels used in the production of tanks and ordered from a US firm, these machines were destined for it was possible to fulfill production plans of 17,500 automobiles per year.
- 16. During this time, factories for presses were delivering large quantities to the USSR on a priority basis.
- 17. Concerning the conveyor system used, conveyor belts were of design similar to those used in the US.

18.

moving automobile production to Poland leaving only the firm Tatra to produce automobiles in Czechoslovakia. The factory in Mlada Boleslav was supposed to be amalgamented with the aircraft factory Avis in Letnany, Fragus. This is possible inasmuch as the ractory produced wings for Messerschmidts and ailerons for the Arado during World War II. The factory had a cadre of workers well acquainted with aircraft production. It would have been possible to concentrate a press shop for aircraft parts in the factory because the press shop had enough room to move two of the presses from Avia where they were sen could equip its press shop with a sufficient number of hydraulic presses suitable of all foreign trade)

The mechanical trained technical staff.

50X1-HUM

50X1-HUM

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CONFIDENTIAL/SECURITY INFORMATION

50X1-HUM

19. The machines of the factory were in better condition after World War II than they were before the war. Many machines were replaced and modernized. New machines were produced by many firms in Czechoslovakia which had large orders from the USSR. This involved mostly heavy duty lathes. Czech-made lathes had a good reputation in USSR because the large munition factories in the USSR were built by Skoda prior to World War II and Skoda also supplied all of the machinery.

20.

Formerly industrial trade was carried on by foreign firms which often failed tomention the origin of a machine. During the German occupation in World War II, all industry was changed over to war production, and in many instances, Czech industry outdid German production not only in quality but also in quantity. Smaller enterprises had large-scale importance during the war and it is a pertinent fact that with Gzech industry the Germans could not have conducted the war for so long. Czech industry had a surplus of engineers and otherwise trained workers with a high standard of theory and practice. At the time, it was impossible to talk of lirect sabotage; but workers were extremely dissatisfied and did not work readily. There was a great amount of absentee sm -- about 12 per cent.

21. Concerning wachines or tachniques for increasing production, it is certain that much progress was made in "material handling" but known methods were applied.

22.

fitted groups of items or detailed machined parts to Svoboda. Svoboda, likewise, Skoda Works in Pilsen delivered no

shipped no such items to Skoda Works in Pilsen. 23. Parts of sub-assemblies were not shipped from Auto-Svor, Rumburk to the factory in

24. Suppliers of the Mlada Boleslav plant with their products were:

Skoda in Filser

BKF /sic/

cast iron castings, steel castings, for sings, hot forgings

Hradec Kralove Knotek in Jirin Uxa in Brno "ator (Dynamo)

cast iron castings malleable castings malleable_castings

dynamos [generators] and starters carburetors and electrical equipment carburetors and electrical equipment ball bearings

Zbrojovka arsensl in Brno Bata in Zlin Rolling mill in Liskovec

ball bearings tires sheet metal

(near Morovska Ostrava) Rolling mill in Kraluv Dvur (near Pilsen)

sheet metal

paints and lacquers electric cable steel pipe

Firms in Bratislava and Prague Kablo in Kladno Mannesmann in Chomatov

The quality of materials was reasonable for the most part and was continually improving. This resulted primarily from transfer of many technical supervisory persons in various enterprises following the war. A shortage of alloying materials was being offset by available materials such as manganese and by other methods of work.

- 25. There was no new tank production in Czechoslovakia in 1949.
- 26. The enterprise in Vrchlabi manufactured only bodies as stated previously. Complete chassis were brought from the enterprise in Mlada Boleslay.

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50X1-HUM

50X1-HUM

50X1-HUM

CONFIDENTIAL SECURITY INFORMATION

50X1-HUM

27. Manufacture of gear wheels on Gleason machines was a bottleneck in production. Other bottlenecks were a shortage of presses for bodies, shortage of ball bearings, and in general the poor arrival of products from various points of delivery. Producers of these semi-finished products were swamped with orders for the USER and could not meet delivery dates for domestic enterprises.

- 28. There was no cutstanding weapons production in 1949. The Czech army had a surplus of German, UK, and UB equipment. Munitions factories were producing replacement ammunition for these weapons. In those days there was no standard equipment. The Zbrojovka arsenal in Brno produced no rifles at all and the section of the Skoda Works destined for production of cannons was working in another field.
- Concerning planned production, a terrain automobile, similar to the Jeep, with fourwheel drive was on the drawing boards.
- 30. the Praska Akumulatorka enterprise employed approximately 200 workers and met the requirements for storage batteries for all automobile manufacturers in Czechoslovakia.

50X1-HUM 50X1-HUM

31. Concerning the power plant, Mlada Boleslav, the enterprise was not self-supporting in the delivery of electric power. It had a boiler room, operated on coal dust, with five steam turbines of three thousand kilowatt each.

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Enclosure (A): Map of Mlada Boleslav showing location of General Svoboda and other industries of the area.

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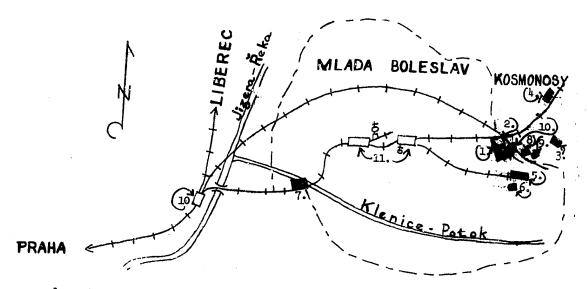
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ENCLOSURE (A)

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50X1-HUM

Enclosure (A): Map of Mlada Boleslav showing location of General Svoboda and other industries of the area



- Automobile Plant of Skoda Works
- Dobry and company Agricultural Machines
- Zahradka Foundry
- Enterprises of the Firm Syoboda in Kosmonosy
- Barracks
- Kraj Court
- Prague Battery Factory
- Newly Added Assembly Shop of the Skoda Works Newly Constructed Hangar Type Building
- 10. Railroad Station (Madrazi)
 11. Underpass (Mamisti)

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